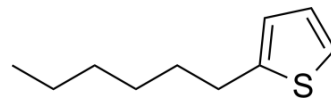


2-Hexylthiophene

Cat. No.:	HY-34544
CAS No.:	18794-77-9
Molecular Formula:	C ₁₀ H ₁₆ S
Molecular Weight:	168.3
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	2-Hexylthiophene is an extremely weak basic heteroaromatic compound. 2-Hexylthiophene can be used to modify and improve the molar absorption coefficient of ruthenium sensitizer ^[1]
In Vitro	2-Hexylthiophene is introduced to the 5-position of the terpyridine derivative ligand. And thereby, it helps to improve the molar absorption coefficient of ruthenium sensitizer. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ozawa H, et al. Ruthenium sensitizers with a hexylthiophene-modified terpyridine ligand for dye-sensitized solar cells: synthesis, photo- and electrochemical properties, and adsorption behavior to the TiO₂ surface. ACS Appl Mater Interfaces. 2015 Feb 11;7(5):3152-61.

Caution: Product has not been fully validated for medical applications. For research use only.

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